

Datasheet for ABIN7552272

ARNT2 Protein (AA 1-717) (His tag)



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Overview

Quantity:	1 mg
Target:	ARNT2
Protein Characteristics:	AA 1-717
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARNT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ARNT2 Protein expressed in mammalian cells.
Sequence:	<p>MATPAAVNPP EMASDIPGSV TLPVAPMAAT GQVRMAGAMP ARGGKRRSGM DFDDDEDGEGP</p> <p>SKFSRENHSE IERRRRNKMT QYITELSDMV PTCSALARKP DKLTILRMAV SHMKSMRG TG</p> <p>NKSTDGAYKP SFLTEQELKH LILEAADGFL FVVAETGRV IYVSDSVTPV LNQPQSEWFG</p> <p>STLYEQVHPD DVEKLREQLC TSENSMTGRI LDLKTGTVKK EGQQSSMRMC MGSRRSFICR</p> <p>MRCGNAPLDH LPLNRITTMR KRFRNGLGPV KEGEAQYAVV HCTGYIKAWP PAGMTIPEED</p> <p>ADVGQGSKYC LVAIGRLQVT SSPVCMDMNG MSVPTEFLSR HNSDGIITFV DPRCISVIGY</p> <p>QPQDLLGKDI LEFCHPEDQS HLRESFQQVV KLKGQVLSVM YRFRTKNREW MLIRTSSFTF</p> <p>QNPYSDEIEY IICTNTNVKQ LQQQQAELEV HQRDGLSSYD LSQVPVPNLP AGVHEAGKSV</p> <p>EKADAIFSQE RDPRFAEMFA GISASEKKMM SSASAAGTQQ IYSQGSPPFPS GHSGKAFSSS</p> <p>VVHVPGVNDI QSSSSTGQNM SQISRQLNQS QVAWTGSRPP FPGQQIPSQS SKTQSSPFGI</p> <p>GTSHTYPADP SSYSPLSSPA TSSPSGNAYS SLANRTPGFA ESGQSSGQFQ GRPSEVWSQW</p> <p>QSQHHGQQSG EQHSHQQPGQ TEVFQDMLPM PGDPTQGTGN YNIEDFADLG MFPPFSE</p>

Product Details

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ARNT2

Alternative Name: ARNT2 ([ARNT2 Products](#))

Background: Aryl hydrocarbon receptor nuclear translocator 2 (ARNT protein 2) (Class E basic helix-loop-helix protein 1) (bHLHe1),FUNCTION: Transcription factor that plays a role in the development of the hypothalamo-pituitary axis, postnatal brain growth, and visual and renal function (PubMed:24022475). Specifically recognizes the xenobiotic response element (XRE). {ECO:0000269|PubMed:24022475}.

Molecular Weight: 78.7 kDa

UniProt: [Q9HBZ2](#)

Target Details

Pathways: [Warburg Effect](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months